



CTFPND-1
User's manual

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Table of Contents

1. Safety Information

- 1.1 Caution
- 1.2 Normal Care

2. Product Information

- 2.1 Package Contents
- 2.2 Installing to the Vehicle

3. Basic Operations

- 3.1 Getting Start
- 3.2 Main Screen
- 3.3 Phone
- 3.4 AV/RV Input
- 3.5 Music
- 3.6 Photos
- 3.7 Movie
- 3.8 Compass
- 3.9 Settings

4. Service & Support

- 4.1 Technical Support
- 4.2 Registration
- 4.3 Maintenance & Troubleshooting Info.
- 4.4 Warranty Statement

5. Fact Sheet

- 5.1 Product Specification



Chapter 1 Safety Information

1.1 Caution

Before starting installing or operating your navigation system, Please be familiar with this Manual Completely for your safety. Your unsuitable installation or operation of this device may cause injury or death.

Safety Precautions

1. Use the car charger included with the package, using power adapters other than the one provided will result in malfunction and could prove dangerous.
2. Do not use the car charger in a wet environment. When hands and feet are wet, do not touch the car charger.
4. While using the car charger ensure that the area is well ventilated. Do not let paper or other material cover the power adaptor, as this will interfere with cooling. Do not use the power adaptor whilst it is in a bag.

5. Do not attempt to repair the device. If device is damaged or is in a wet environment, replace the device immediately.

6. About the battery

- Use only the original factory approved charger.
- A Lithium battery is built in to the device. To prevent fire or skin burns, do not disassemble, pierce, impact, or expose the battery to fire. The battery will crack, explode, or release dangerous chemicals if placed in a fire.

7. Important instructions

- Note : Replacing with an incorrect battery may result in an explosion. When disposing of the battery, follow the instructions. The replacement battery must be original factory approved.
- Regulations must be observed when recycling or disposing of batteries.
- The battery should only be used in this device.

1.2 Normal Care

The CarTFT CTFPND-1 is constructed of high quality materials and does not require user maintenance other than cleaning.

Cleaning the Unit

Clean the unit's outer casing using a cloth dampened with a mild detergent solution and the wipe dry.
Avoid chemical cleaners and solvents that can damage plastic components.

Caring for the Touch Screen

The touch screen is intended to be operated with a finger. Never use a hard or sharp object to operate the touch screen or damage may result. Though a PDA stylus can also be used to operate the touch screen, never attempt this while operating a vehicle.

Clean the touch screen using a soft, clean, lint-free cloth. Use water, isopropyl alcohol, or eyeglass cleaner if needed. Apply the liquid to the cloth and gently wipe the touch screen.

Protecting your CarTFT CTFPND-1

- Do not expose the unit to water or other forms of moisture; the CarTFT CTFPND-1 is not waterproof.
- Do not store the unit where prolonged exposure to extreme temperatures can occur (such as in the trunk of a car), as permanent damage may result.
- To avoid theft, do not leave your CTFPND-1 in plain sight when you leave your vehicle.

Chapter 2 Product Information

2.1 Package Contents

Please check the contents in the Box.



*)

SD card with navigation
software and maps

*depends on version



Manual

Optional Packages



AV Cable

2.2 Installing to the Vehicle

Take care when mounting the CarTFT CTFPND-1 in your vehicle, whether using the windshield mount or other mount, that it does not obstruct the driver's view of the road. Make sure that the placement of the CarTFT CTFPND-1 and cable does not interfere with the operation of vehicle safety devices, such as air bags. You assume the risks associated with damage to your vehicle or vehicle's occupants as a result of how you choose to mount the CarTFT CTFPND-1.



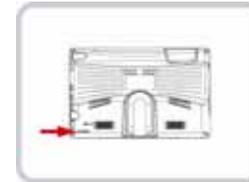
Clean the surface of the location you wish to place the mount bracket.
Do not mount where the driver's view will be obstructed.



Slide the main system onto the mount clip and adjust the angle properly.
Please, check the mount and main system in proper position.



Insert DC plug of Cigarette lighter lead into the fused +12V socket of main system and connect the other end to the +12V cigarette lighter socket.



After starting the engine, slide the power button on the back side to start the main system.

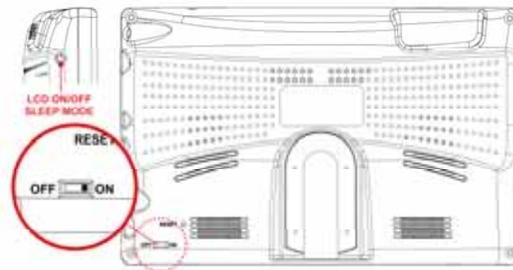
Chapter 3 Basic Operations

3.1 Getting Start

Performing the initial Start Up

Slide the Battery ON/OFF switch the ON position of rear side.

Note : Always leave the Battery ON/OFF Switch in the ON Position for normal operation.



Power ON/OFF

Your device turns on when slide the bar switch from rear side of CTFPND-1.

Follow the instructions on the Installation Poster to dock your CarTFT CTFPND-1 in your car. The first time you turn on your CarTFT CTFPND-1, it may take up to 5 seconds to start. To power off your CarTFT CTFPND-1, slide the bar switch.

Locating your current position

Your CarTFT CTFPND-1 must be outside to locate your current position. The first time you start your CTFPND-1, it can take up to 3 minutes to find your current position. If it takes longer than 3 minutes, make sure that you are in an open place without tall buildings or trees around you.

In the future, your position will be found much faster, normally within a few seconds.

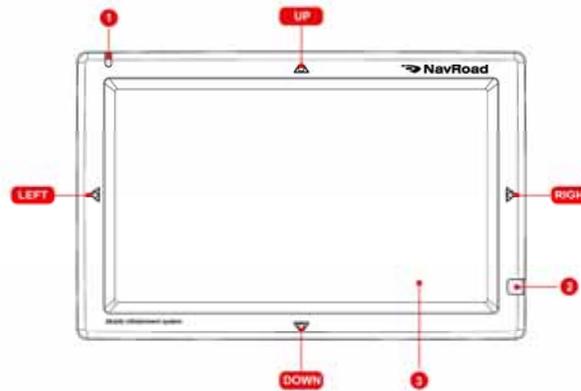
Once your CTFPND-1 has located your current position, the Driving View is shown in full color and shows your position on the map.

Note: Some vehicles have a heat reflective shield embedded in the windshield that may prevent CarTFT CTFPND-1 from locating your current position. If this is a problem in your vehicle, use the CarTFT CTFPND-1 External Antenna Kit (available as an accessory).

Understanding Hardware Components

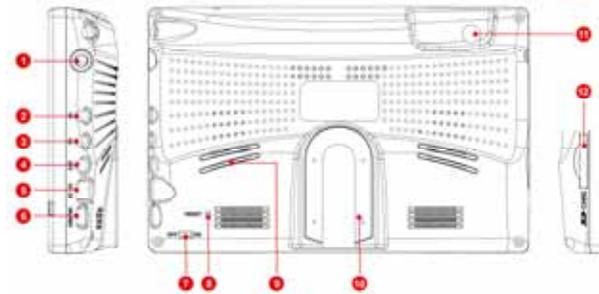
1. Main Unit

Front Components.



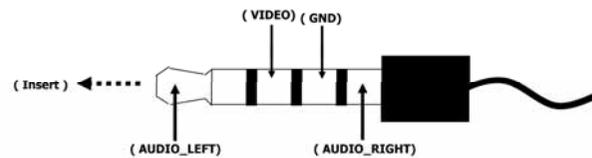
Ref	Component	Description
1	Charge Indicator	Glows in bright Red to indicate that the battery is charging, and turns green when the battery is fully charged
2	Sensor	This is for Remote Sensor(Optional)
3	Touch Screen	Tap the screen with your fingertip to select menu commands.
4	Volume Control	Adjusts the volume level
5	Up	Touch Sensor Key
6	Down	Touch Sensor Key
7	Left	Touch Sensor Key
8	Right	Touch Sensor Key

Rear, Right and Bottom, Side Components.



Ref	Component	Description
1	Power Button	LCD On/Off and Sleep Mode for long pressing
2	AV Input	This is for Video Input
3	RV Input	This is for a Rear View Camera
4	Ear Jack	External Sound Output
5	DC Input	DC 12 ~ 24 V Input
6	USB TMC	This is for USB TMC(Traffic Message Channel) module.
7	Power	Turns on and off the Device
8	Reset Button	Restarts your Device(soft reset)
9	Speaker	Sends out sounds and voice
10	Mounting Hole	Mounting Hole Guide
11	External Antenna Connector	This Connector(under rubber dust cover) allows use of an optional external GPS antenna with magnetic mount, which may be positioned on top of the car for better GPS signal reception in areas with poor reception.
12	SD Slot	Accepts a SD card for accessing data such as Music.

AV/ RV Input Pin Map.



2. Touch Sensor Key Map

Mode		(<) LEFT	(>) RIGHT	(A) UP	(V) DOWN
Launcher		Bright+	Bright-	VOL+	VOL-
Navigation		HotKey(PIP) - Home - Music - AV - Mute	FM TX On/Off/ both	VOL+	VOL-
AV/RV		Bright+	Bright-	VOL+	VOL-
Movie		Rewind	Fast Forward	VOL+	VOL-
Music		Previous	Next	VOL+	VOL-
Photos	List	Select (Previous)	Select (Next)		
	Image	Rotate (CCW -90°)	Rotate (CW 90°)	Previous Image	Next Image
Compass		Bright+	Bright-		
Settings		Select (Previous)	Select (Next)	VOL+	VOL-

3.2 Main Screen

CTFPND-1 is providing 2 Main Screen Types as following, One is the default main menu screen as below,



And another is can be set image or photo on background which you like as a wall paper from Photo application.

1. Tap the **Phone** button on the main screen and the **Pair Mode** button. Bluetooth radio turns on.
2. If this is the first time you use the program, your device will switch to Pair Mode and wait for the pairing action from your mobile phone maximum for 4 minutes. The connection will be established as long as you initiate the pairing process.
3. If prompted to enter the pincode (or passkey) on your mobile phone, tap the passkey specified by the CarTFT CTFPND-1 (the default is '0000') and tap **OK**.
4. You will see the **Phone** main screen after the pairing is completed. The status bar at the bottom shows the name of the mobile phone connected.

3.3 Phone

3.3.1 About Phone

Phone Menu allows you to use your device as a hands-free device for a mobile phone supporting Bluetooth connection. You can tap your device to place and receive phone calls instead of picking up the mobile phone.

3.3.2 Pairing with a Mobile Phone



The next time you run the Phone program, your device will automatically search and pair with one of the last connected mobile phones.

NOTE:

- Your device must be in Pair Mode for the mobile phone to discover your device. If you need to manually set your device to Pair Mode, tap Pair Mode on the Phone main screen.
- Some mobile phones can automatically connect the hands-free service.
- Up to 5 sets of paired mobile phones can be stored. A 6th paired mobile phone will replace the oldest one.
- The Phone program cannot access the data such as the phone book and call history stored in a connected mobile phone.

3.3.3 Placing a Call

After pairing with your mobile phone, you can place a call using any of the four buttons (**Call**, **Call History**, and **Redial**) on the Phone main screen.



By tapping the **Call** button on the Phone main screen, you can enter the telephone number with the onscreen keypad. After entering the telephone number, tap  to place the call.

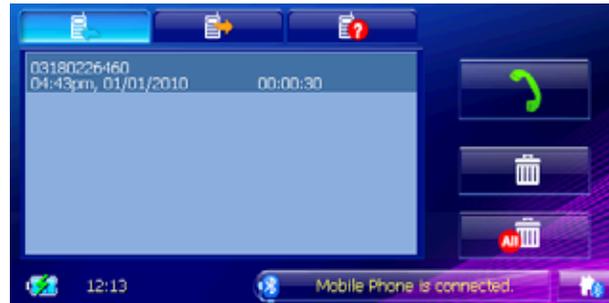
NOTE:

- To delete the last digit entered, tap the **Backspace** button.
- The other two buttons allow you to switch to Home and Call History screens

Call History

Tap the **Call History**  button on the Phone main screen to display the recent incoming, outgoing, or missed calls together with information such as date, time, and duration of

each call.



Tap the respective button (incoming, outgoing or missed) to view the last 20 calls of the selected type.

With an item selected, you can tap  to dial the number,  to delete the item. To clear all items in the current list, tap .

Redial

Tap the **Redial** button on the **Phone** main screen to dial the last number you called or received.

3.3.4 Operations During a Call

During a call, four functions are available:



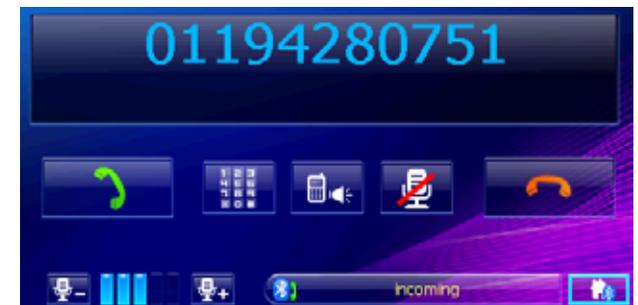
- If you need to input other numbers, such as an extension number, tap  to open the keypad and tap the digits. The keypad will close when you tap the button again or when there has been no input for 5 seconds.



- Tap  to mute your sound so that the other party cannot hear you. To end the mute mode, tap the same button again.
- Tap  to end the call.
- Tap  to switch the call to your mobile phone. To switch back to your device, tap the same button again.

3.3.5 Receiving a Call

When you have a call after pairing with a mobile phone, the device rings and displays the Incoming Call screen.



To accept the call, tap . To reject the call, tap .

3.3.6 Connecting Devices

Connect : By tapping the **Connect** button on the **Phone** main screen, you can manually search the last paired mobile phones for an available connection.

NOTE: To use the service of a remote device with Bluetooth capability, make sure that the remote device is in discoverable mode.

1. Tap **Connect** from **Phone** main screen to search for

nearby devices.



2. The device list appears on the screen. Tap the target device from the list of the devices.
3. Tap pairing the device you want to use as a Hands-Free
4. When prompted to enter the passkey in your mobile phone, Please, input the passkey requested by the CarTFT and tap **OK**.

Viewing Active Connections

After starting **Phone** menu, tap **Connect** to view the active connections. After you tap an item, you can disconnect the selected device.

3.3.7 Pair Mode

By tapping the **Pair Mode** button on the **Phone** main screen, you can manually set your device to Pair Mode. Within the duration for 4 minutes, you can initiate the pairing process on your mobile phone to discover your device as a hands-free device or a Headset.



3.3.8 About Preference

Your device incorporates Bluetooth wireless communications technology. Devices with Bluetooth capabilities can exchange information over a distance of about 10 meters (30 feet) without requiring a physical connection.

Preference allows you to configure and use the Bluetooth capabilities of your device.

Starting and Exiting Preference

1. Tap the **Phone** button on the Main Screen and then the **Preference** button.
2. When the Phone screen appears, tap Preference
3. The Preference screen appears as shown below



To exit the program, tap . You will be back to the Phone screen.

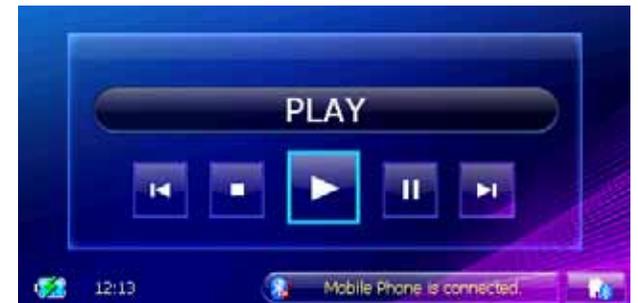
Configuring Preference

After starting Preference, tap to configure Hands Free settings.
The available options are:

- **Home Number** : Allows you to edit the your home number.
- **Auto Answer** : You can tell your CTFPND-1 to answer every call automatically after a certain time.
- **Ring Tone** : You can select one ring tone from 3 kinds of ring tone which like to hear

3.3.9 Advanced Audio Distribution

CTFPND-1 is supporting advanced audio distribution function via Bluetooth. You can hear music which has in memory of phone in Navigation and you can control simple function as following screen.



3.4 AV/RV input



Tap **AV** or **RV** button for your choice to viewing screen and You can use PIP(Picture in Picture) function with Navigation with 'navi' button for Multi-Tasking.

3.5 Music

3.5.1 Starting and Exiting Music Player

Music turns your device into a Music player. It features:

Playback of Music files

Basic Playback controls such as play, pause, stop, next and previous

Playback includes single selection playback, repeat, single repeat, normal sequence and random sequence.

Tap the **Music** button on the Main menu to start the program. The control panel appears on the screen where you can easily control the player by tapping the control buttons.

To exit the program, tap 'Home' button.



3.5.2 Preparing the Music Files for Your Device

Before using the program, have the Music files ready on a storage card.

3.5.3 Playing Music Files

1. If your files are in a storage card, insert the card into your device.
2. Tap the **Music** button on the Home screen to start the program.
3. The program will search for the Music files. When detected, they will be showed to the play list.
4. To start the playback, tap **Select** button from the Music file list . To control the playback, use the control buttons as described later.

3.5.4 Music Playback Controls

Control Button	Name	Description
	Play/Pause	Play or pause the playback.
	Stop	Stop the playback.
	RWD/F.FWD	Play Rewind or Fast Forward

	Previous/Next	Play the previous or next file.
	Mute	Mute Volume
	Exit	Close the program and return to the Home screen.
	Run Navigation	Multitasking with Navigation and Music
	List	File List
	BGM	Back Ground Music

Playback Mode	Cycle through the following modes:
	Single playback of the current folder
	Repeated playback of current file
	Repeated playback of the all files in the folder
	Repeated playback of all files in random order

3.6 Photos

3.6.1 Starting and Exiting Photos

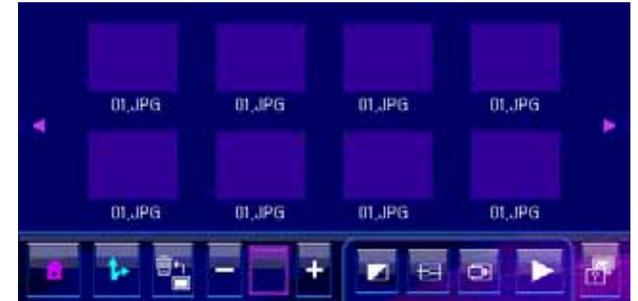
Photos allows you to view pictures in JPEG, GIF and BMP formats and view the Tap the **Photos** button on the Main menu to start the program.

3.6.2 Preparing the Pictures for Your Device

Before using the program, have the JPEG/GIF/BMP files ready on a storage card.

3.6.3 Viewing Pictures in List View

1. If your files are in a storage card, insert the card into your device.
2. Tap the **Photos** button on the Main menu to start the program.
3. The program will search the matching files in the specific folder on a storage card. It then displays the pictures in the list view. You can press the **Up** or **Down** arrow button to go to next or previous page.



3.6.4 Viewing a Picture in Full Screen

When you tap a picture once in the list view, the picture is displayed in full screen.

To go back to the list view, tap anywhere on the screen to display the Picture list view screen.

3.6.5 Viewing the Slideshow

To view the slideshow of all your pictures, use one of the following ways:

1. When in the list view, tap  to start the slideshow.
2. When in full screen, tap anywhere on the picture to return in the list view screen.

3. Sets the length of time each slide is displayed before moving on to the next slide. Tap    the button to switch to the next available option.



3.6.6 Rotating the picture

To rotate the picture, tap  in your favorites direction.

3.6.7 Selecting Background Image for User's Main Screen.

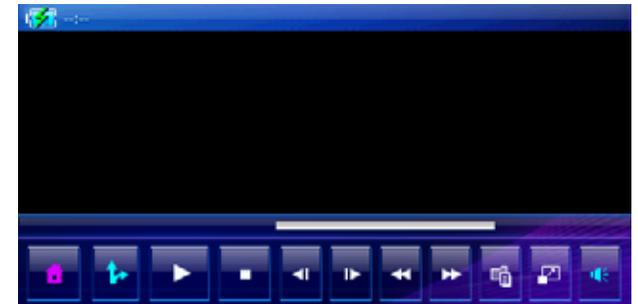
To change for background image of user's main menu screen,

tap  in your favorites thing.

3.7 Movie

3.7.1 Starting and Exiting Movie Player

Movie turns your device into a Movie player. It features:
 Playback of Movie files
 Basic Playback controls such as play, pause, stop, next and previous
 Tap the **Movie** button on the Main menu to start the program.
 The control panel appears on the screen where you can easily control the player by tapping the control buttons.
 To exit the program, tap 'Home' button.



3.7.2 Preparing the Movie Files for Your Device

Before using the program, have the Movie files ready on a storage card.

3.7.3 Playing Movie Files

1. If your files are in a storage card, insert the card into your device.
2. Tap the **Movie** button on the Main menu to start the program.
3. The program will search for the Movie files in the storage card. When Movie files are detected, they will be added to the Movie list.
4. To start the movie, tap **Select** button. To control the playback, use the control buttons as described later.



3.7.4 Playing a Movie in Full Screen

When you tap Movie screen once in the Movie player view, the Movie is played in full screen.

To go back to the Movie screen, tap anywhere on the screen to display the Movie player list **view screen**.

3.7.5 Movie Playback Controls

Control Button	Name	Description
	Play/Pause	Play or pause the playback.
	Stop	Stop the playback.
	RWD/F.FWD	Play Rewind or Fast Forward
	Previous/Next	Play the previous or next file.
	Mute	Mute Volume

	Exit	Close the program and return to the Home screen.
	Run Navigation	Run Navigation after close Movie Player
	List	File List
	Zoom	Full Screen

3.8 Compass



This utility will provide you dynamic information for the way of

car direction, current speed, time and sea level through screen.

3.9 Settings

3.9.1 Starting and Exiting Settings

You can customize the system settings such as backlight brightness, volume, and language. Once you change them again. Tap the **Settings** button on the Home screen. The Settings menu appears as shown. To exit Settings, tap 'Home' button. The following sections describe the various buttons and their functions.



3.9.2 Information

1. Tap the **Settings** button on the Main menu.
2. Tap the 'I' button at top of left corner in settings main menu screen.



3.9.3 AV Setting



These are for settings of AV options for both Auto Detect of Rear View Camera and adjustment for delay time of detaching Video

signal for more convenience.

3.9.4 Volume/Brightness

1. Tap the **Settings** button on the Main menu.
2. Tap the **Volume/Brightness** button.
3. Click + or - to adjust the brightness of the backlight. To darken the backlight, move the knob to the left. To lighten the backlight, move the knob to the right and also for inputting AV Sound control.



3.9.5 Power Setting

To check the remaining power level of your battery and/or set up the power saving feature:

1. Tap the **Settings** button on the Main menu.
2. Tap the **Power Setting** button.
3. The screen shows the remaining power of your battery.

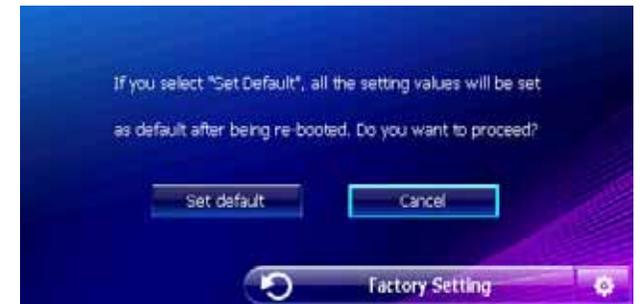
You can set a timer to:

- automatically turn off your device when it is idle for a set period of time.
- automatically dim the LCD display when it is idle for a set period of time.



3.9.6 Factory Setting

1. Tap the **Settings** button on the Main menu.
2. Tap the **Factory Setting** button.
3. You can set default to your device in this option and if you click 'Set Default', your device will be back to default. Please, take care of use this option..



3.9.7 Start Setting

1. Tap the **Settings** button on the Main menu.
2. Tap the **Start Setting** button.



To select the application which will run when switching on the device, tap **Start with Specific Application**. You can choose from standard applications by tapping their appropriate icon.

3.9.8 FM Transmitter



You can transmit all sound from your CTFPND-1 to your car radio using FM transmitter.

Tips.

1. After turn on FM Transmitter (ON, BOTH), on your car radio, find a frequency that is not being used by a radio station. You will use this frequency for FM transmitter of your CTFPND-1.
2. When you search for a frequency not being used by a radio station, try to find one that has no interference at all. Any noise that you can hear from a radio station will interfere with the reception.
3. You can hear the sound from car speakers and it will more good for using this function. You can choose the radio frequency

bands via volume keys of remote controller

4. Change the frequency

You may have to change the frequency that the FM Transmitter is using to transmit sound.

For example, if you drive into an area where a radio station interferes with the frequency you are using,

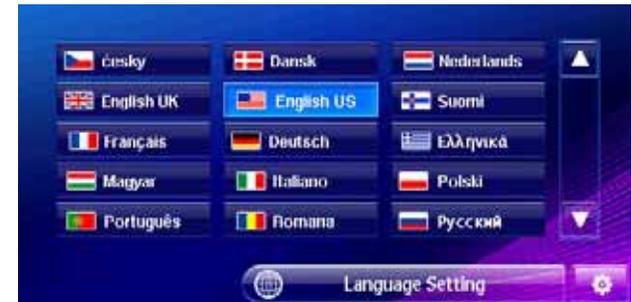
you may not be able to hear the sound from your CTFPND-1 clearly.

If this happens, change the frequency that the FM Transmitter is using.

3.9.9 Change Language

NOTE: To change the language of the Map navigation software, use Map settings.

1. Tap the **Settings** button on the Main menu.
2. Tap the **Language** button.
3. Tap the Up/Down arrow button to select the desired language.
4. Tap OK the button for the new setting to take effect(Re-booting).



3.9.10 Date/Time Setting

To set Date, Time and Time Zone tap the time display at the upper right corner of the display.

Set all required information and tap **OK** to confirm.



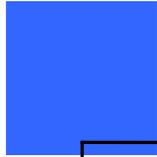
3.9.11 Touch Screen

You can calibrate the touch screen if it is not responding accurately to your taps.

1. Tap the **Settings** button on the Main menu.
2. Tap the **Calibration** button.
3. Tap to start the calibration.
4. Tap and hold the centre of the target.



5. When the target moves to another position, tap and hold the center of the new target. Repeat each time to complete the calibration process.
6. When completed within 5 seconds, tap no. 6.



Chapter 4 Service & Support

4.1 Technical Support

If you need technical assistance or “how-to” help, or if you have a technical question about the functionality of your CARTFT product, please contact us on the Internet at www.CarTFT.com.

On this web page you can find Frequently Asked Questions and their answers and contact form.

Our Technical Support is available Monday through Friday, 10:00 a.m. to 4:00 p.m. CET. After hours, you may leave a message by contact form that will be returned within the next business day.

4.2 Maintenance Info

To ensure the unit’s normal operation and extended life span, please note the following while using and storing :

Keep dry

This product is not waterproof. If it comes into contact with water spray or is submerged it will seriously damage the

components, resulting in irreversible damage.

Do not drop the unit

If violently impacted or shocked, serious damage may be caused.

Avoid sudden temperature changes

Condensation may occur when entering a warm room on a cold day. To prevent condensation from damaging the unit, please place into an airtight plastic bag before sudden temperature changes.

Keep away from strong magnetic fields

When using or storing, please keep away from strong electromagnetic/radioactive or magnetic field equipment.

Operating temperature

The products operating temperature is between 0°C - +40 °C; please do not operate under extreme temperatures.

Avoid exposure to sunlight

Please avoid long periods of sunlight or high temperature exposure.

Using the stylus

The LCD screen is easily scratched; please use only the stylus for operation. Do not use any other sharp objects on the screen to avoid damaging the LCD screen.

Cleaning the screen

Using a soft clean cloth to wipe the screen is recommended; do

not use ordinary tissue to wipe the screen.

Do not disassemble

Please do not disassemble the product, this may void the warranty and damage the unit.

Storage

When the product is not being used for a long period, please store in a cool and dry place. For long-term storage, keeping the unit in a dry box is recommended.

Please do not keep the product in the following environments:

1. Unventilated and humid locations.
2. In a car window that is exposed to excessive amounts of sunlight.
3. In an environment where humidity is over 80%.

Troubleshooting Info

Power cannot startup insufficient battery charge, please connect to the adapter and restart system.

No screen displayed

: After powering up, if the system does not respond, try the following

1. Connect adapter, restart system.
2. Reset system.

Display speed is too slow

1. Check if the battery is low on power.

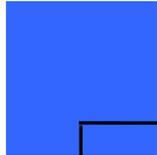
2. Reset system.

Screen has no response

: Reset system.

Navigation GPS cannot display my current location

: Make sure your current location is not obstructed by buildings or other interferences.



Chapter 5 Fact Sheet

5.1 Product Specification

CPU	Samsung S3C2440A, 400 MHz	Connectors:	3,5 mm stereo earphones jack
Memory	64 MB ROM, 64 MB RAM		External GPS antenna
Memory expansion	SD card socket		USB TMC / Mini-USB
Operating system	Microsoft® Windows CE.NET 5.0	Power	for Active Sync
GPS chipset	SIRFstarIII™ 20 channels		DC input 12V~24V
GPS antenna	Embedded type	Dimensions (W x H x D):	187 x 117 x 34 (mm)
Battery	Built-in Rechargeable Li-Polymer, 2640mAh Up to 2h 30min	Weight:	550g
Display	Samsung 7" Digital WQVGA TFT LCD		
Resolution	480 x 234 pixels		
Audio	Built-in speakers Built-in microphone		
Bluetooth	Spec. v1.1, v1.2, v2.0 Compliant		
Video	2 AV Inputs (Rear CAM Support)		